



# INCOSE Wasatch Chapter & Industry Council Meeting

February 13, 2020



# Agenda

6:00 – 6:30	Dinner & Networking	
6:30 – 6:45	INCOSE Wasatch Chapter Announcements	Paul White, Chapter President
6:45 – 7:45	INCOSE Vision 2025	Vince Johnston, ESEP – Chapter Director at Large
7:45 – 8:05	Industry Council Meeting	Drs. David Wetzel & Nicole Batty
8:05 – 8:15	INCOSE SEP Beta Exam (Time Permitting)	Paul White, Chapter President

# What is INCOSE?



**17000+**  
MEMBERS



**70+**  
CHAPTERS



**45**  
WORKING GROUPS



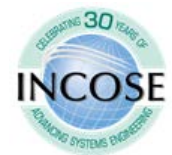
**3489**  
CERTIFIED

International Council on Systems Engineering

Industry organization for systems engineers

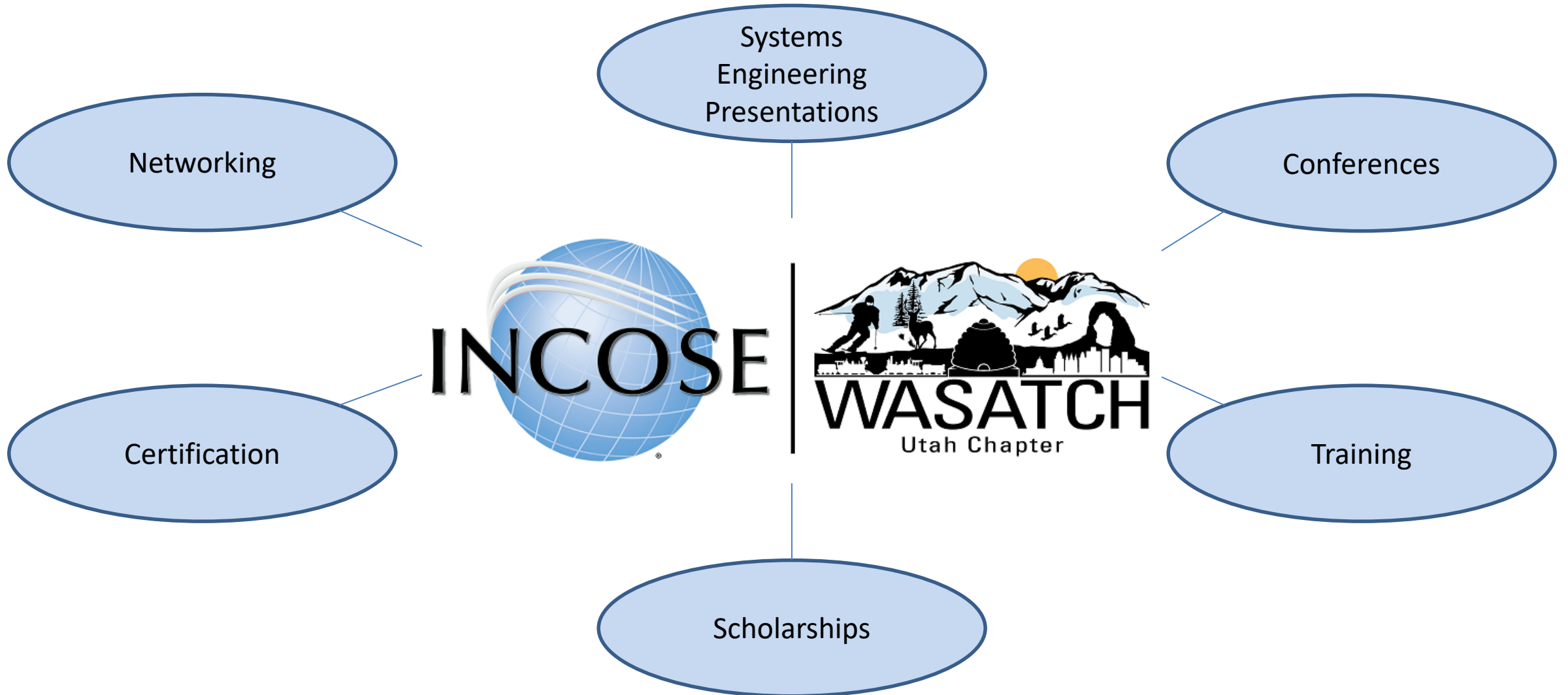
Founded in 1990

<http://www.incose.org>





# What is the INCOSE Wasatch Chapter?



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- The Aerospace Corporation
- Air Force Nuclear Weapons Center
- ASI
- BAE Systems
- Boise State University
- Defense Acquisition University
- Embraer
- Embry Riddle Aeronautical University
- General Dynamics
- General Electric
- Hill Air Force Base
- i3DAY Innovation
- **KIHOMAC**
- L-3 Harris
- Lockheed Martin
- **Northrop Grumman**
- Siemens
- System Solutions
- Utah State University
- **Weber State University**

# New Members

- Richard Abderhalden (Weber State)
- Quinn Alleman (University of Utah)
- Kelvin Bloxham (Weber State)
- Abram Bowen (Weber State)

# Renewed Members

- Ernie Kyed (Northrop Grumman)
- John McCrea (Hill Air Force Base)
- Todd Ovard (L-3 Harris)
- Paul White (Kihomac)



# Officer Leadership

Name	Officer Role	Company	E-mail Address
Paul White	President	KIHOMAC	Paul.White@kihomac.com
Angie Harbert	Vice President	Northrop Grumman	angie.harbert@ngc.com
Rachel Geerlings	Secretary	Northrop Grumman	rachel.geerlings@ngc.com
John Richards	Treasurer	Northrop Grumman	john.richards@ngc.com
Ernest Kyed	Director-at-Large	Northrop Grumman	ernest.kyed@ngc.com
Vince Johnston	Director-at-Large	L3 Harris	Vincent.b.Johnston@L3Harris.com
John McCrea	Director-at-Large	AFNWC/NIAB - Hill Air Force Base	johnpatmccrea@gmail.com
Paul Nelson	Director-at-Large	Northrop Grumman	paul.nelson@ngc.com

# Upcoming Events

- Tuesday, February 18 –  
American Institute of  
Aeronautics and Astronautics  
(AIAA) Engineering Week  
Distinguished Lecture

## AIAA Engineering Week Distinguished Lecturer

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**Where:** Weber State University D2 - 112  
**When:** February 18 at 7 pm  
**Who's invited:** Open to the public  
**Cost:** Free



**Dr. Paul Bevilaqua** has spent much of his career developing Vertical Take Off and Landing aircraft. He joined Lockheed Martin as Chief Aeronautical Scientist and became Chief Engineer of the Skunk Works, where he played a leading role in creating the Joint Strike Fighter. He invented the dual cycle propulsion system that made it possible to build a stealthy supersonic VSTOL Strike Fighter, and suggested that conventional and Naval variants of this aircraft could be developed to create a common, affordable aircraft for all three services. He subsequently led the engineering team that demonstrated the feasibility of building this aircraft.

Prior to joining Lockheed Martin, he was Manager of Advanced Programs at Rockwell International's Navy aircraft plant, where he led the design of VSTOL interceptor and transport aircraft. He began his career as an Air Force officer at Wright Patterson AFB, where he developed a lift system for an Air Force VSTOL Search and Rescue Aircraft. He received degrees in Aeronautical Engineering from the University of Notre Dame and Purdue University.

He is a Fellow of the American Institute of Aeronautics and Astronautics and a member of the National Academy of Engineering. He is also the recipient of a USAF Scientific Achievement Award, AIAA and SAE Aircraft Design Awards, AIAA and AHS VSTOL Awards, and Lockheed Martin AeroStar and Nova Awards.



# Upcoming Events

- Saturday, February 22 – UEC 2020 Awards Banquet
  - INCOSE Award Nominees for
    - Engineer of the Year: John Metcalf
    - Engineering Educator of the Year: Dr. David Wetzel
    - Fresh Face of Engineering: John McCrea
  - UEC Scholarship Recipient: Abram Bowen
  - Keynote Speaker: Blaine D Leonard, P.E., F.ASCE, Transportation Technology Engineer, Utah DOT
  - 6:00-9:30 p.m.
  - FLSmidth, 7158 S. FLSmidth Dr., Midvale, UT, 84047
  - <https://utahengineerscouncil.org/event/2020-awards-banquet/>

# Upcoming Events

- Thursday, March 12
  - "Measurement Techniques to Ensure Appropriate Process Maturity"
  - Louise Mudd, PE
  - Kihomac, 3800 N. Fairfield Dr. E., Layton, UT, 84041
- Thursday, April 9
  - "INCOSE Certification"
  - International Workshop (IW) Debrief
  - Kihomac, 3800 N. Fairfield Dr. E., Layton, UT, 84041

# Upcoming Events

- Thursday, May 14
  - “Planetary Defenses”
  - Charlie Vono
  - Kihomac, 3800 N. Fairfield Dr. E., Layton, UT, 84041
- Thursday, June 11
  - “SysML v. 2.0”
  - Sandy Friedenthal
  - Kihomac, 3800 N. Fairfield Dr. E., Layton, UT, 84041